Features

- Carbon element
- Plain or knurled shaft option
- Metal bushing
- Metal shaft
- Rear solder lugs
- Audio or linear taper options
- Variety of resistance values

- Detent at “no-load” position
- RoHS compliant*

PDB241-GNL Series - “No-Load” Guitar Potentiometer

Electrical Characteristics

Taper.............................................Audio, linear
Standard Resistance ............10K to 1M ohms
Standard Resistance Tolerance........20 %

Environmental Characteristics

Operating Temperature
.......................................-10 °C to +70 °C
Power Rating .................0.25 watt
Maximum Operating Voltage...........250 V
Rotational Noise..............150 mV max.

Mechanical Characteristics

Mechanical Angle ...............300 ° ±5 °
Rotational Torque .............50 to 150 gf-cm
Stop Strength .........................8 kg-cm min.
Rotational Life ..................15,000 cycles min.
Detent Position ...............300 °
Detent Torque .................100-300 gf-cm
Soldering Condition
Manual Soldering
........................................300 °C within 3 seconds
Wave Soldering
........................................260 °C within 3 seconds
Hardware
Two flat washers and two mounting nuts supplied per potentiometer

Derating Curve

Circuit

Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,000</td>
<td>103</td>
</tr>
<tr>
<td>25,000</td>
<td>253</td>
</tr>
<tr>
<td>50,000</td>
<td>503</td>
</tr>
<tr>
<td>100,000</td>
<td>104</td>
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<tr>
<td>250,000</td>
<td>254</td>
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<tr>
<td>500,000</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

How To Order

PDB241 - GNL 01 - 504 A2

Model
Number of Units
1 = Single
Guitar Pot Designator
Configuration
01 = Knurled Shaft (18-Tooth) / Solder Lugs
02 = Plain Shaft / Solder Lugs
03 = Knurled Shaft (18-Tooth, Long) / Solder Lugs
04 = Plain Shaft (Long) / Solder Lugs
11 = Knurled Shaft (24-Tooth) / Solder Lugs
13 = Knurled Shaft (24-Tooth, Long) / Solder Lugs
Resistance Code (See Table)
Resistance Taper (See Taper Charts)

WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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Users should verify actual device performance in their specific applications.
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Taper Chart

A2 Taper

Terminal 1-2 Output Voltage

Terminal 1-3 Input Voltage X 100 (%)

Rotational Travel (%)

B0 Taper

Terminal 1-2 Output Voltage

Terminal 1-3 Input Voltage X 100 (%)

Rotational Travel (%)

Inquire for availability of other tapers.
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